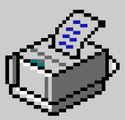






CABLE MANAGEMENT SYSTEM

Made by: Daksh Arora
XII - A



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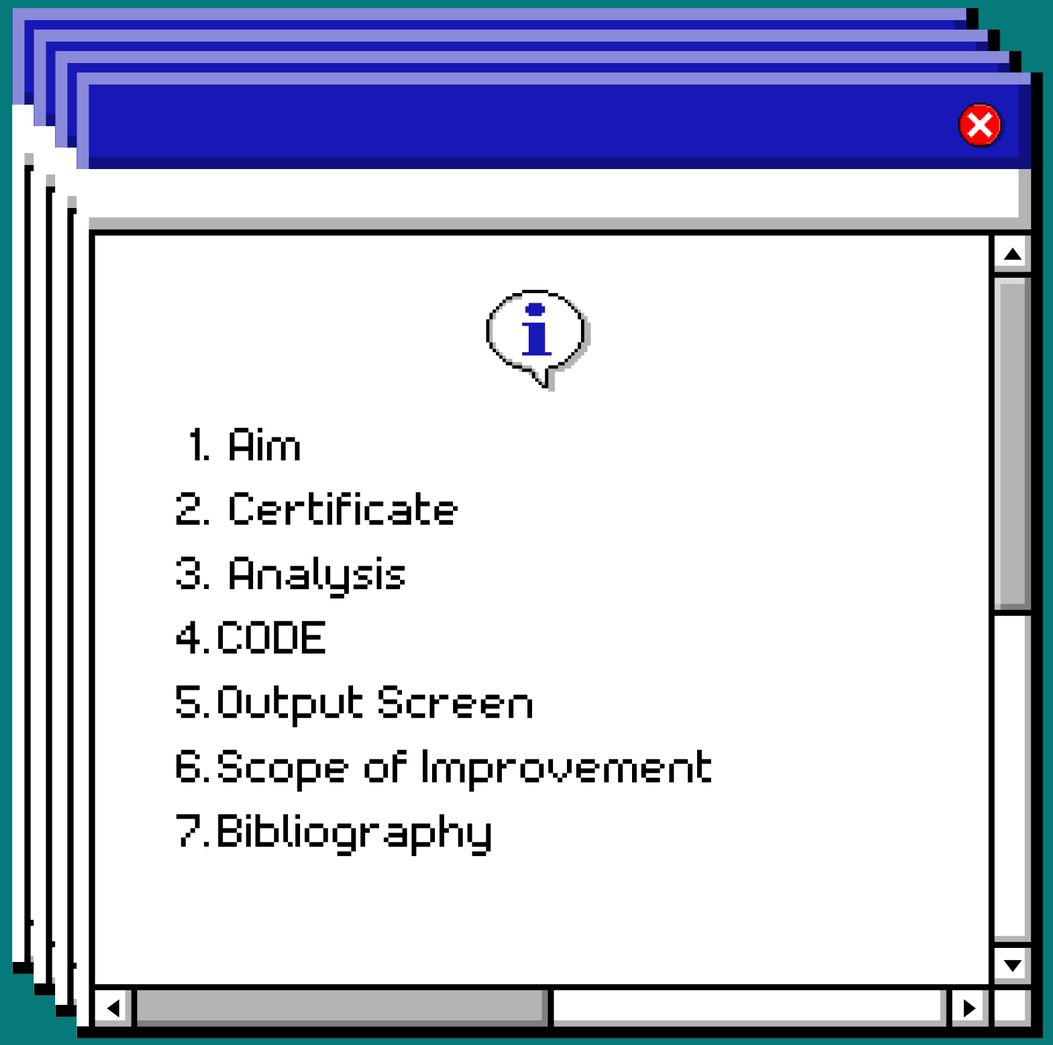
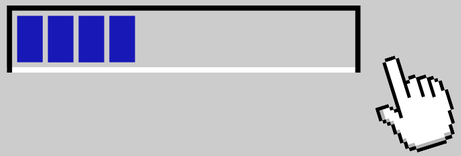



Aim

Aim

As the name suggests, the code revolves around the business of cable managing, but is not limited to it. With a little tweaking, it can be used for any business model, be it hospital management, school management or any other business.

The main aim of this code is to ease the work load of a common micro/mini scale businessman who, otherwise, would have to take tones of papers to do the same.



Certificate

Certificate of Completion

Apeejay School NOIDA

This is to certify that Mr/Ms _____ of class _____ and section _____ has successfully completed his/her Computer Science Practicals.

Computer Science Teacher
(SUJATA BHARDWAJ)

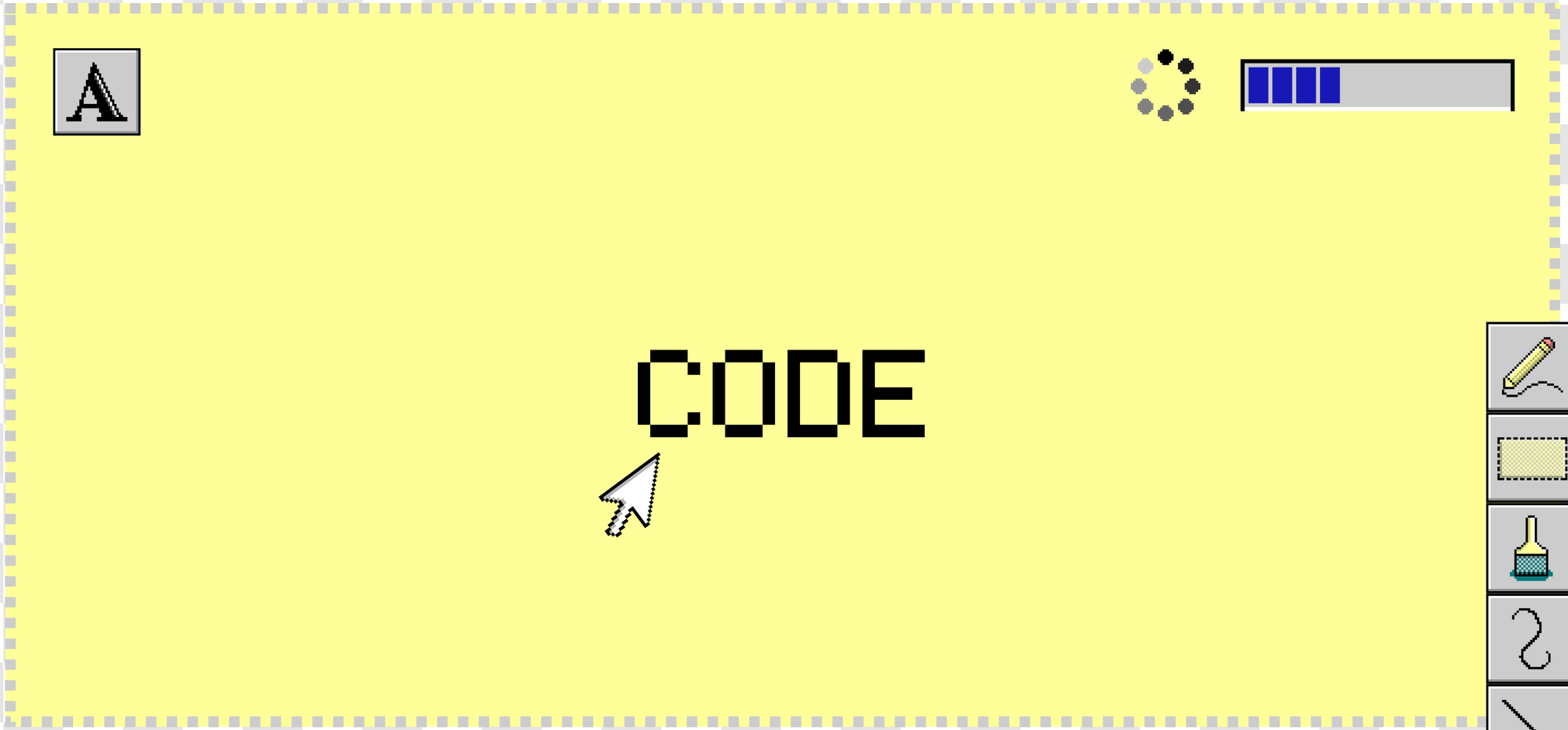
Vice Principal
(AMRITA HAJELA)

Analysis

Analysis

README.txt

Most of the micro/mini business handlers are either not aware or dont know how to use how to use database management softwares. But that should not stop them from advancing in the era of technology, where technology is everything and everything is technology.


CODE


Database Creation Code

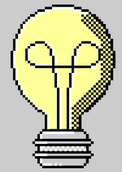

```
import mysql.connector as sql
conn = sql.connect(
  host="localhost",
  user="root",
  password="sql"
)

if conn.is_connected():
    print("sucessfully connected")

conn.cursor().execute("DROP DATABASE cable01")
conn.cursor().execute("CREATE DATABASE cable01")
print("Database Successfully Created")
conn.cursor().execute("USE cable01")
conn.cursor().execute('create table log_in(name varchar(65), account_no  int, password int)')
print("log_in table created")
conn.cursor().execute('create table customer_table(name varchar(65),price int,channels int,cust_name varchar(65), phone_no bigint)')
print("Customer table created")
conn.commit()
print("DONE")
```

```
sucessfully connected
Database Successfully Created
log_in table created
Customer table created
DONE
```


Main CODE


```
import mysql.connector as sql
import pickle

conn=sql.connect(host="localhost", user="root", passwd="Daksh@2705", database="cable01")
mycursor=conn.cursor()
if conn.is_connected():
    print("Conection With Database Establised Successfully")
else:
    print("Conection With Database Failed XXX")

c1=conn.cursor()
choice = 0

while choice >=0 and choice <4:
    print("1.CREATE YOUR ACCOUNT")
    print("2.LOG IN")
    print("3.EXIT")
    choice=int(input("ENTER YOUR CHOICE:"))

    if choice ==1:
     name=input("Enter your name :")
     account_no=int(input("Enter your User ID (In numerics only) :"))
     password=int(input("Enter your Passcode (In numerics only) :"))
     SQL_insert="insert into log_in values ('"+name+"',"+str(account_no)+","+str (password)+")"
     c1.execute(SQL_insert)
     conn.commit()
     print("ACCOUNT CREATED")
```


Main CODE




```
if choice==2:
 print('')
 print('Enter your Credentials')
 name=input('Enter your name : ')
 account_no=int(input('Enter your User ID : '))
 password=int(input('Enter your Passcode : '))
 c1=conn.cursor()
 c1.execute('select * from log_in')
 data=c1.fetchall()
 count=c1.rowcount
 c2 = 0
```


Main CODE



```
for row in data:
   if (name in row) and (account_no in row) and (password in row):

       print("**************************************************WELCOME TO DAKSH CABLE CENTRE**********************************

       while c2>=0 and c2<8 and c2!=5:
           print(' ')
           print(' ')
           print('TO SEE DETAILS of all the workers,press              :1')
           print(' ')
           print('TO UPDATE DETAILS of workers,press                   :2')
           print(' ')
           print('TO SEE Details of all the CUSTOMERS,press            :3')
           print(' ')
           print('TO get the bill,press                                :4')
           print(' ')
           print('TO LOG OUT,press                                     :5')
           print(' ')
           print('TO TAKE RATING FROM THE CUSTOMER, press              :6')
           print(' ')
           print('TO VIEW THE RATINGS FROM THE CUSTOMERS, press        :7')
           print(' ')
           c2=int(input("Enter your choice : "))
```

Main CODE

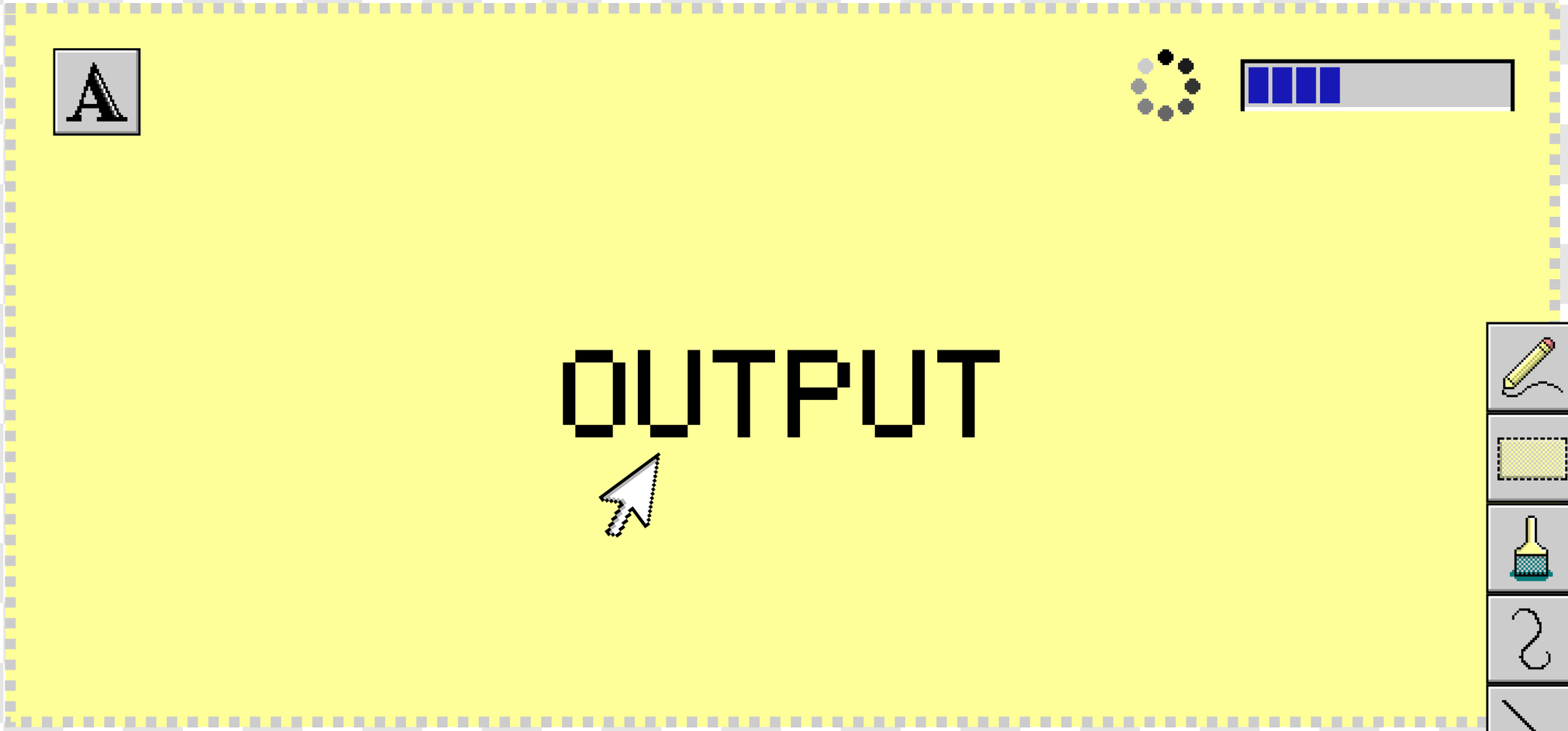
```
if (c2==1):
    c1=conn.cursor()
    c1.execute('select * from log_in')
    data=c1.fetchall()
    count=c1.rowcount
    print('Details of all CABLES is',count)
    print("Details of all CABLES are arranged as Name/User ID/Passpharse")
    for row in data:
        print(row)
    conn.commit()

elif (c2==2):
    print('')
    print('TO UPDATE FILL THIS')
    print('')
    empName = input("Enter name :")
    c1=conn.cursor()
    c1.execute('select * from log_in')
    data=c1.fetchall()
    for row in data:
        if (empName in row):
            update = input("Enter new name :")
            sqlFormula = "UPDATE log_in SET name=%s WHERE name = %s"
            c1.execute(sqlFormula,(update,empName))
            print('YOUR DETAILS ARE SUCESSFULLY UPDATED')
            break
    else:
        print(empName,"not found in database.")
```

Main CODE

```
elif(c2==3):
      c1=conn.cursor()
      c1.execute('select * from customer_table ')
      data=c1.fetchall()
      count=c1.rowcount
      print('Details of all the Customers',count)
      for row in data:
         print(row)

elif(c2==4):
     name=input("Enter the your name : ")
     price=int(input("Enter the amount to be paid : "))
     channels=int(input("Enter No. of channels customer want to add : "))
     cust_name=input("Enter Customer Name : ")
     phone_no=int(input("Enter Customer phone no : "))
     SQL_insert="insert into customer_table values("+"'"+ name+"'"+","+"'"+str(price)+"'"+",'"+str(channels)+"',"+"'"+cust_name+"'"+","+str(phone_no)+")"
     c1.execute(SQL_insert)
     conn.commit()
     print("Bill Recorded")

elif (c2==5):
      print('THANK YOU FOR VISITING')
      break

elif (c2==6):
    print('RATE US FOR SERVICE')
    n=input("Enter name of the customer: ")
    rating=int(input("On the Scale of 10 how would you like to rate us: "))
    a=[n,rating]
    with open ("review.dat",'ab') as f:
        pickle.dump(a,f)
    print('THANKS FOR RATING!')
```

Main CODE

```
        elif (c2==7):
            with open ("review.dat",'rb') as f:
                while True:
                    try:
                        print(pickle.load(f))
                    except:
                        break


        else:
            print("Oops, something went wrong.....")
            cl.close


 choice==3:
print("THANK YOU FOR VISITING")
break
```


OUTPUT

Output Screen

```
Conection With Database Establised Successfully
1.CREATE YOUR ACCOUNT
2.LOG IN
3.EXIT
ENTER YOUR CHOICE:1
Enter your name :Daksh
Enter your User ID (In numerics only) :1024
Enter your Passcode (In numerics only) :1024
ACCOUNT CREATED
1.CREATE YOUR ACCOUNT
2.LOG IN
3.EXIT
ENTER YOUR CHOICE:1
Enter your name :Rohan
Enter your User ID (In numerics only) :2048
Enter your Passcode (In numerics only) :2048
ACCOUNT CREATED
1.CREATE YOUR ACCOUNT
2.LOG IN
3.EXIT
```


Output Screen


```
ENTER YOUR CHOICE:2

Enter your Credentials
Enter your name : Daksh
Enter your User ID : 1024
Enter your Passcode : 1024
**************************************************WELCOME TO DAKSH CABLE CENTRE**************************************************


TO SEE DETAILS of all the workers,press              :1

TO UPDATE DETAILS of workers,press                   :2

TO SEE Details of all the CUSTOMERS,press            :3

TO get the bill,press                                :4

TO LOG OUT,press                                     :5

TO TAKE RATING FROM THE CUSTOMER, press              :6

TO VIEW THE RATINGS FROM THE CUSTOMERS, press        :7

Enter your choice : 1
Details of all CABLES is 2
Details of all CABLES are arranged as Name/User ID/Passpharse
('Daksh', 1024, 1024)
('Rohan', 2048, 2048)
```

Output Screen




```
TO SEE DETAILS of all the workers,press                 :1

TO UPDATE DETAILS of workers,press                      :2

TO SEE Details of all the CUSTOMERS,press               :3

TO get the bill,press                                   :4

TO LOG OUT,press                                        :5

TO TAKE RATING FROM THE CUSTOMER, press                 :6

TO VIEW THE RATINGS FROM THE CUSTOMERS, press           :7

Enter your choice : 2

TO UPDATE FILL THIS

Enter name :Rohan
Enter new name :Mohan
YOUR DETAILS ARE SUCESSFULLY UPDATED
```

Output Screen

```
TO UPDATE DETAILS of workers,press                    :2

TO SEE Details of all the CUSTOMERS,press             :3

TO get the bill,press                                 :4

TO LOG OUT,press                                      :5

TO TAKE RATING FROM THE CUSTOMER, press               :6

TO VIEW THE RATINGS FROM THE CUSTOMERS, press         :7

Enter your choice : 1
Details of all CABLES is 2
Details of all CABLES are arranged as Name/User ID/Passpharse
('Daksh', 1024, 1024)
('Mohan', 2048, 2048)
```

Output Screen

```
TO SEE DETAILS of all the workers,press                 :1

TO UPDATE DETAILS of workers,press                      :2

TO SEE Details of all the CUSTOMERS,press               :3

TO get the bill,press                                   :4

TO LOG OUT,press                                        :5

TO TAKE RATING FROM THE CUSTOMER, press                 :6

TO VIEW THE RATINGS FROM THE CUSTOMERS, press           :7

Enter your choice : 4
Enter the your name : Daksh
Enter the amount to be paid : 4000
Enter No. of channels customer want to add : 10
Enter Customer Name : Shikha
Enter Customer phone no : 1234567890
Bill Recorded
```

Output Screen

```
TO SEE DETAILS of all the workers,press                 :1

TO UPDATE DETAILS of workers,press                      :2

TO SEE Details of all the CUSTOMERS,press               :3

TO get the bill,press                                   :4

TO LOG OUT,press                                        :5

TO TAKE RATING FROM THE CUSTOMER, press                 :6

TO VIEW THE RATINGS FROM THE CUSTOMERS, press           :7

Enter your choice : 4
Enter the your name : Mohan
Enter the amount to be paid : 1000
Enter No. of channels customer want to add : 1
Enter Customer Name : Vikram
Enter Customer phone no : 9876543210
Bill Recorded
```


Output Screen


```
TO SEE DETAILS of all the workers,press                 :1

TO UPDATE DETAILS of workers,press                      :2

TO SEE Details of all the CUSTOMERS,press               :3

TO get the bill,press                                   :4

TO LOG OUT,press                                        :5

TO TAKE RATING FROM THE CUSTOMER, press                 :6

TO VIEW THE RATINGS FROM THE CUSTOMERS, press           :7

Enter your choice : 3
Details of all the Customers 2
('Daksh', 4000, 10, 'Shikha', 1234567890)
('Mohan', 1000, 1, 'Vikram', 9876543210)
```

Output Screen

```
TO SEE DETAILS of all the workers,press                    :1

TO UPDATE DETAILS of workers,press                         :2

TO SEE Details of all the CUSTOMERS,press                  :3

TO get the bill,press                                      :4

TO LOG OUT,press                                           :5

TO TAKE RATING FROM THE CUSTOMER, press                    :6

TO VIEW THE RATINGS FROM THE CUSTOMERS, press              :7

Enter your choice : 6
RATE US FOR SERVICE
Enter name of the customer: Shikha
On the Scale of 10 how would you like to rate us: 10
THANKS FOR RATING!
```

Output Screen

```
TO SEE DETAILS of all the workers,press                    :1

TO UPDATE DETAILS of workers,press                         :2

TO SEE Details of all the CUSTOMERS,press                  :3

TO get the bill,press                                      :4

TO LOG OUT,press                                           :5

TO TAKE RATING FROM THE CUSTOMER, press                    :6

TO VIEW THE RATINGS FROM THE CUSTOMERS, press              :7

Enter your choice : 6
RATE US FOR SERVICE
Enter name of the customer: Vikram
On the Scale of 10 how would you like to rate us: 8
THANKS FOR RATING!
```


Output Screen


```
TO SEE DETAILS of all the workers,press                    :1

TO UPDATE DETAILS of workers,press                         :2

TO SEE Details of all the CUSTOMERS,press                  :3

TO get the bill,press                                      :4

TO LOG OUT,press                                           :5

TO TAKE RATING FROM THE CUSTOMER, press                    :6

TO VIEW THE RATINGS FROM THE CUSTOMERS, press              :7

Enter your choice : 7
['Shikha', 10]
['Vikram', 8]
```

Output Screen

```
TO SEE DETAILS of all the workers,press                 :1

TO UPDATE DETAILS of workers,press                      :2

TO SEE Details of all the CUSTOMERS,press               :3

TO get the bill,press                                   :4

TO LOG OUT,press                                        :5

TO TAKE RATING FROM THE CUSTOMER, press                 :6

TO VIEW THE RATINGS FROM THE CUSTOMERS, press           :7

Enter your choice : 5
THANK YOU FOR VISITING
1.CREATE YOUR ACCOUNT
2.LOG IN
3.EXIT
ENTER YOUR CHOICE:3
THANK YOU FOR VISITING
```

Scope of Improvement

Scope of Improvement



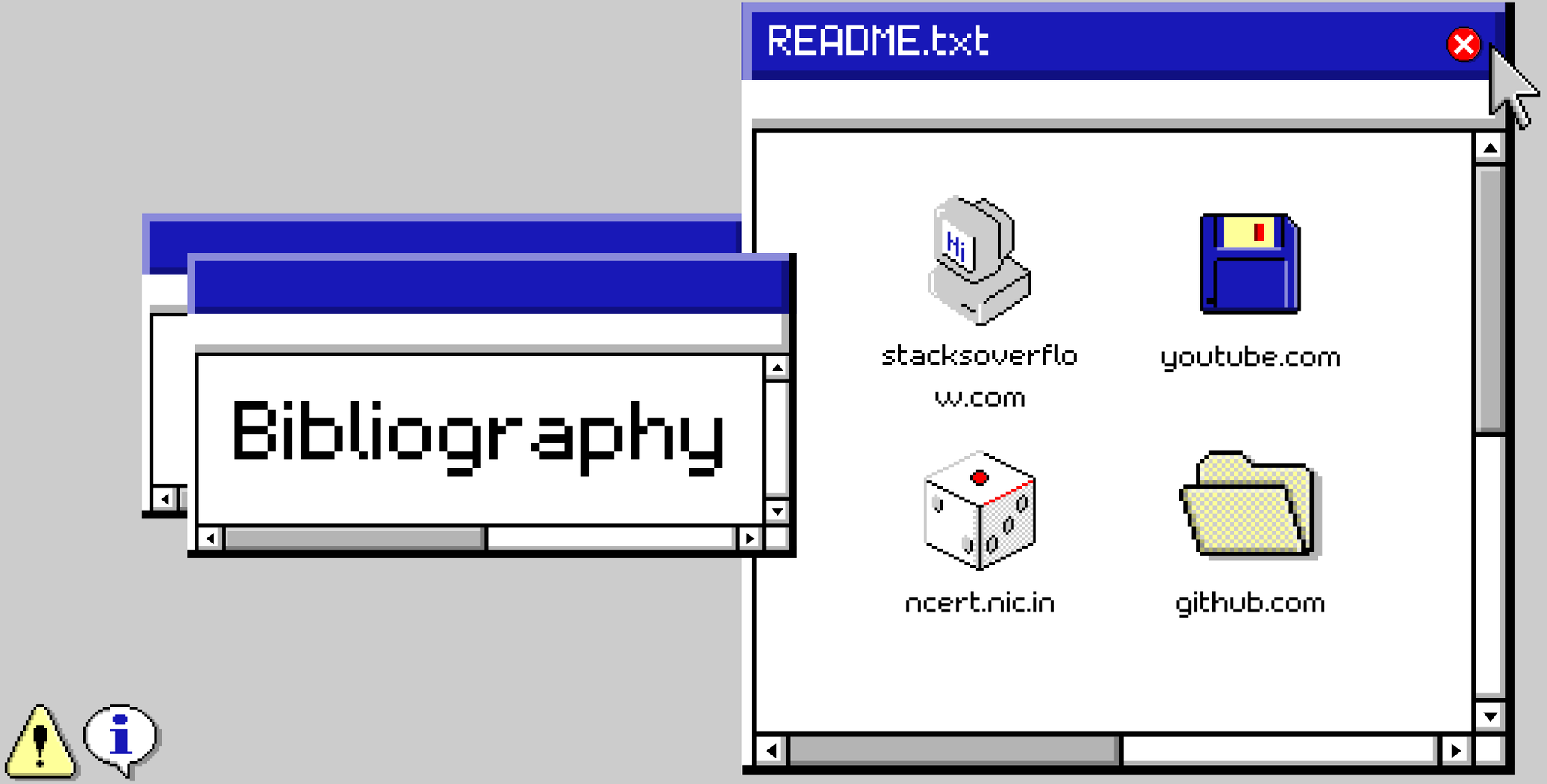

User interface

This program is not user-friendly as its fron end designing was out of our scope, but if added, could a lot helpful for the actual users using it.

Stock management

We have designed an overall cable management system but we could also include stock management in this too which would make this program even more useful

Bibliography


README.txt
Bibliography
stacksoverflow.com
youtube.com
ncert.nic.in
github.com


Thank you!